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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of
Krzysztof Palczewski et al.
Application No.: 10/801,078
Filing Date: March 15, 2004
Title: STABILIZED MUTANT OPSIN
PROTEINS

) MAIL STOP
) Group Art Unit: 1618
) Examiner: ZOHREH A FAY
) Confirmation No.: 9475
)
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FIRST
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a FIRST Information Disclosure Statement (IDS) and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$ 180 as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$ 180 as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of _____ is enclosed for the fee due.
- ☐ Charge _____ to credit card for the fee due. Form PTO-2038 is attached.
- ☒ The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PC

Date June 12, 2007

By:

Brian P. O'Shaughnessy
Brian P. O'Shaughnessy
Registration No. 32747

P.O. Box 1404
Alexandria, VA 22313-1404
703 836 6620



Patent
Attorney Docket No. 0069509-000003

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In re Patent Application of)	MAIL STOP
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Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. However, copies of the listed U.S. patents and U.S. patent application publications are not enclosed since it is no longer required.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Buchanan Ingersoll & Rooney PC

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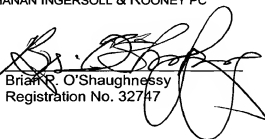
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Complete if Known

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Sheet 1 of 5

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
	WO 04/082622	A2	PCT	09-30-2004							
	WO 02/082904	A2	PCT	10-24-2002							
	WO 00/68364		PCT	11-16-2000							

NON-PATENT LITERATURE DOCUMENTS

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Examiner Signature	/Gigi Huang/	Date Considered	03/25/2008
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	Beischel et al., "Azidotetrafluorophenyl Retinal Analogue: Synthesis and Bacteriorhodopsin Pigment Formation", <i>Photochemistry and Photobiology</i> , 60(1): 64-68 (1994), American Society for Photobiology
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	Fujimoto, Y. et al., "Solution and Biologically Relevant Conformations of Enantiomeric 11- <i>cis</i> -Locked Cyclopropyl Retinals", <i>J. Am. Chem. Soc.</i> 124:7294-7302 (2002), American Chemical Society
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